

**PENGARUH MODEL *PROJECT BASED LEARNING*
BERBANTUAN MEDIA ASSEMBLR EDU TERHADAP
PENINGKATAN HASIL BELAJAR MATEMATIKA SISWA
SEKOLAH DASAR**

**(Penelitian Kuasi Eksperimen Pada Siswa Kelas V di SDN 114 Bojongkoneng
Cibeunying Kota Bandung)**

Oleh

SANIA SANTIKA

215060078

ABSTRAK

Penelitian ini dilatarbelakangi oleh rendahnya hasil belajar matematika siswa kelas V di SDN 114 Bojongkoneng Cibeunying, Kota Bandung. Adapun tujuan dari penelitian ini: 1) Untuk mendeskripsikan proses pelaksanaan pembelajaran dengan menggunakan model *Project Based Learning* berbantuan media Assemblr Edu terhadap peningkatan hasil belajar matematika siswa; 2) Untuk mengetahui peningkatan hasil belajar matematika siswa yang memperoleh model *Project Based Learning* berbantuan media Assemblr Edu lebih tinggi daripada siswa yang memperoleh model pembelajaran konvensional; dan 3) Untuk mengukur seberapa besar pengaruh model *Project Based Learning* berbantuan media Assemblr Edu terhadap peningkatan hasil belajar matematika siswa. Metode penelitian yang digunakan yaitu *quasi eksperiment* dengan *nonequivalent control group design*. Instrumen terdiri dari lembar observasi, dokumentasi, dan tes hasil belajar matematika. Lembar observasi dan soal tes divalidasi oleh ahli dan diuji coba, hasilnya dinyatakan layak. Sampel penelitian berjumlah 50 orang siswa yang terbagi ke dalam dua kelompok, yaitu kelompok eksperimen dan kelompok kontrol. Berdasarkan hasil penelitian, diperoleh: 1) Gambaran proses pembelajaran dengan menggunakan model *Project Based Learning* berbantuan media Assemblr Edu dan model pembelajaran konvensional yang berkategori sangat baik sesuai sintaks; 2) Peningkatan hasil belajar matematika siswa yang memperoleh model *Project Based Learning* berbantuan media Assemblr Edu lebih tinggi daripada siswa yang memperoleh model pembelajaran konvensional; dan 3) Penggunaan model *Project Based Learning* berbantuan media Assemblr Edu berpengaruh positif dengan kategori sedang.

Kata Kunci: *Project Based Learning*, Media Assemblr Edu, Hasil Belajar Matematika

**THE EFFECT OF PROJECT BASED LEARNING MODEL
ASSISTED BY ASSEMBLR EDU MEDIA ON IMPROVING
ELEMENTARY SCHOOL STUDENTS' MATHEMATICS
LEARNING OUTCOMES**

**(A Quasi-Experimental Study on Fifth Grade Students at SDN 114
Bojongkoneng Cibeunying Bandung City)**

By

SANIA SANTIKA

215060078

ABSTRACT

This research is motivated by the low mathematics learning outcomes of fifth grade students at SDN 114 Bojongkoneng Cibeunying, Bandung City. The objectives of this study are: 1) To describe the learning implementation process using the Project Based Learning model assisted by Assemblr Edu media to improve students' mathematics learning outcomes; 2) To determine the increase in mathematics learning outcomes of students who receive the Project Based Learning model assisted by Assemblr Edu media is higher than students who receive conventional learning models; and 3) To measure how much influence the Project Based Learning model assisted by Assemblr Edu media has on improving students' mathematics learning outcomes. The research method used is a quasi-experimental with nonequivalent control group design. The instruments consist of observation sheets, documentation, and mathematics learning outcome tests. The observation sheets and test questions were validated by experts and tested, the results were declared feasible. The research sample consisted of 50 students who were divided into two groups, namely the experimental group and the control group. Based on the research results, it was obtained: 1) A description of the learning process using the Project Based Learning model assisted by Assemblr Edu media and conventional learning models that are categorized as very good according to syntax; 2) The increase in mathematics learning outcomes of students who received the Project Based Learning model assisted by Assemblr Edu media was higher than students who received conventional learning models; and 3) The use of the Project Based Learning model assisted by Assemblr Edu media had a positive effect with a moderate category.

Keywords: *Project Based Learning, Assemblr Edu Media, Mathematics Learning Outcomes*

**PANGARUH MODÉL PEMBELAJARAN BERBASIS PROYEK
DIBANTU KU MEDIA ASSEMBLR EDU KANA
NGARONJATKEUN HASIL DIAJAR MATEMATIKA SISWA
SAKOLA DASAR**

**(Panalungtikan Kuasi Ékspérimén ka Siswa Kelas V SDN 114
Bojongkoneng Cibeunying Kota Bandung)**

Ku

SANIA SANTIKA

215060078

RINGKESAN

Ieu panalungtikan didasaran ku handapna hasil diajar matematika siswa kelas V SDN 114 Bojongkoneng Cibeunying Kota Bandung. Tujuan tina ieu panalungtikan nya éta: 1) Ngadéskripsikeun prosés palaksanaan pangajaran ngagunakeun modél Project Based Learning dibantuan ku média Assemblr Edu pikeun ngaronjatkeun hasil diajar matematika siswa; 2) Nangtukeun ngaronjatna hasil diajar matematika siswa anu narima modél Pangajaran Berbasis Proyek dibantuan ku média Assemblr Edu leuwih luhur batan siswa anu narima modél pangajaran konvensional; jeung 3) Pikeun ngukur sabaraha pangaruh modél Project Based Learning dibantuan ku média Assemblr Edu kana ngaronjatkeun hasil diajar matematika siswa. Méthode panalungtikan anu digunakeun nyaéta kuasi ékspérimén kalawan desain nonequivalent control group. Instruménna ngawengku lembar observasi, dokuméntasi, jeung tés hasil diajar matematika. Lembar obsérvasi jeung soal tés divalidasi ku para ahli sarta diuji, hasilna dinyatakeun layak. Sampel panalungtikan aya 50 urang siswa anu dibagi jadi dua kelompok, nya éta kelompok ékspérimén jeung kelompok kontrol. Dumasar kana hasil panalungtikan, dimeunangkeun: 1) Déskripsi prosés pangajaran ngagunakeun modél Project Based Learning dibantuan ku média Assemblr Edu jeung modél pangajaran konvensional anu katégori alus pisan nurutkeun sintaksis; 2) Peningkatan hasil diajar matematika siswa anu narima modél *Project Based Learning* dibantu ku média Assemblr Edu leuwih luhur batan siswa anu narima modél pangajaran konvensional; jeung 3) Pamakéan modél Pangajaran Berbasis Proyek dibantuan ku média Assemblr Edu méré pangaruh positif kalawan katégori sedeng.

Kecap Pamageuh: Pangajaran Berbasis Proyék, Média Assemblr Edu, Hasil Diajar Matematika